

GETTING STARTED

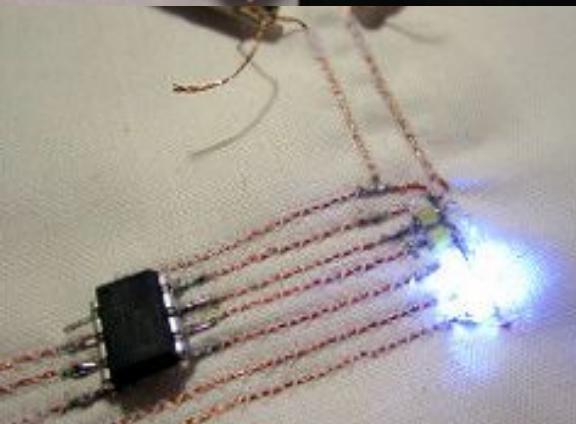
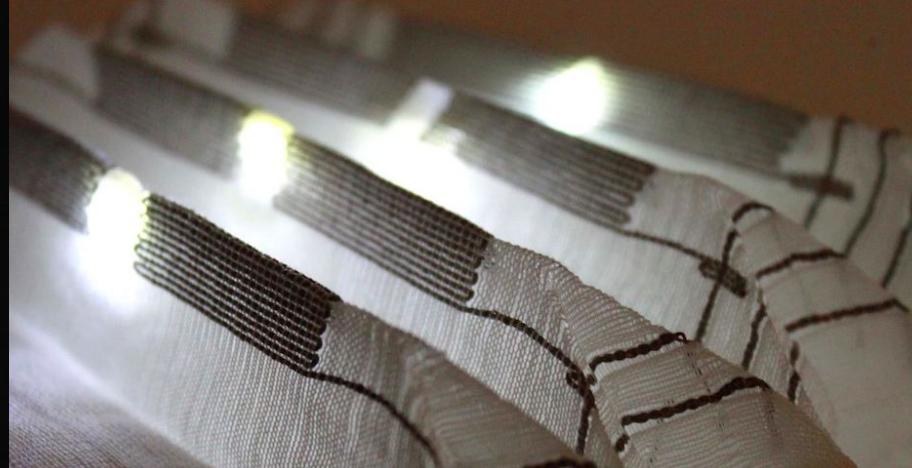
with e-TEXTILES



THE PLAN

1. eTextiles Review
2. Hands-on Activity

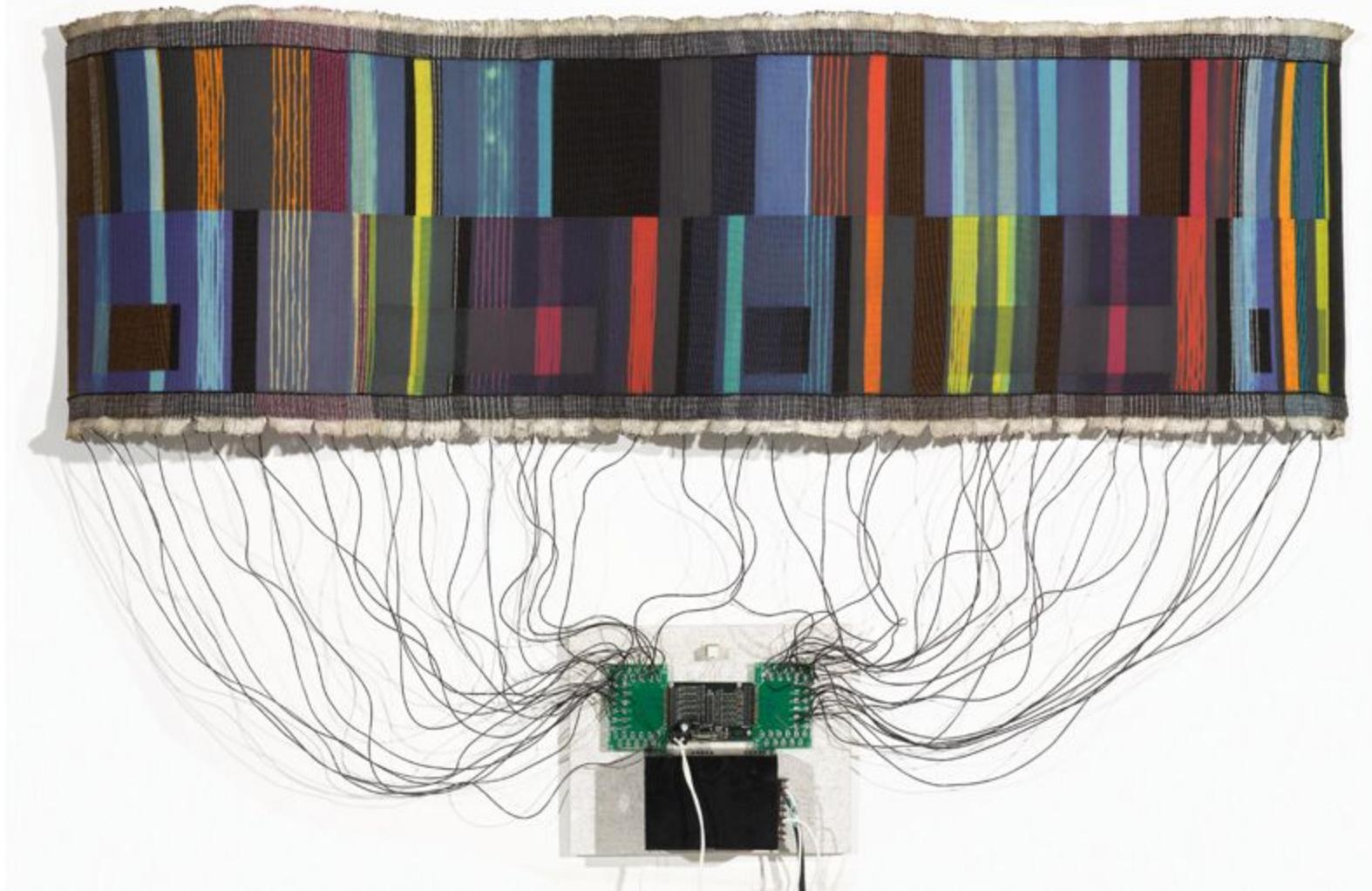
eTEXTILES



KOBAKANT



MAGGIE ORTH



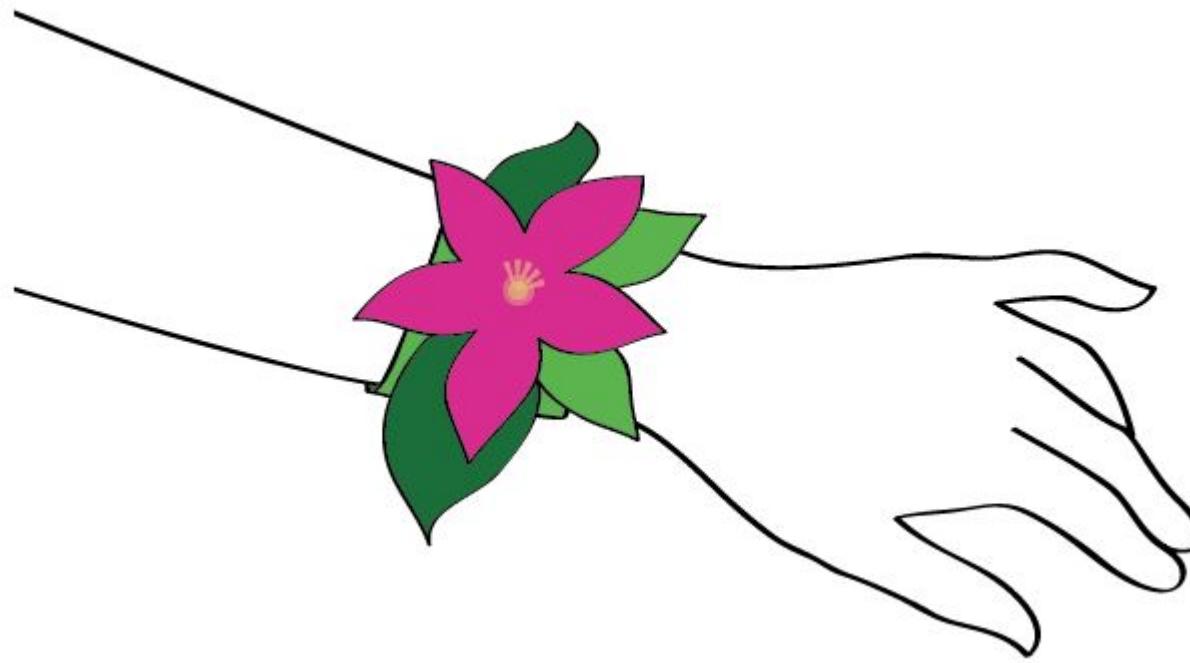
bioLOGIC





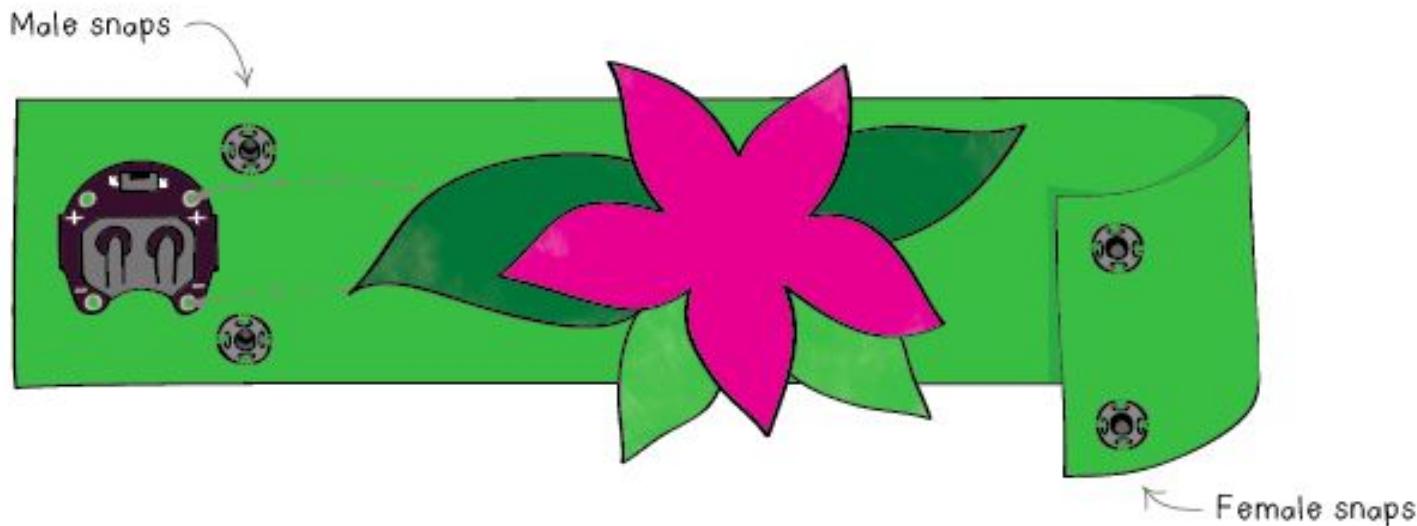
THIS
IS SEW

LIGHT-UP WRISTBAND



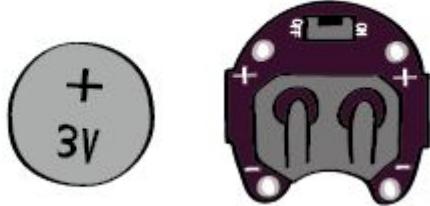
We're going to create a wearable project by sewing a simple circuit using a battery and some LEDs.

THE GOAL

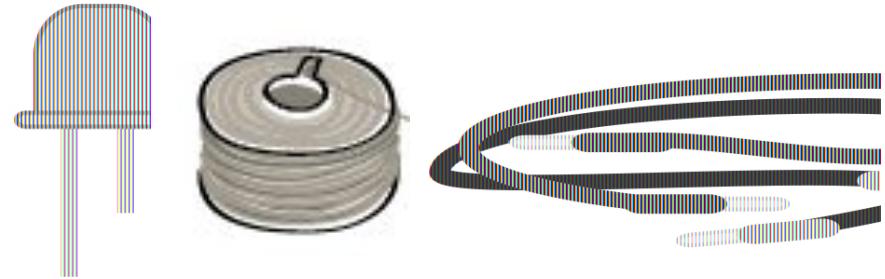


- LEDs turn on when you close the snap on the wristband;
- LEDs turn off when the snap is open.

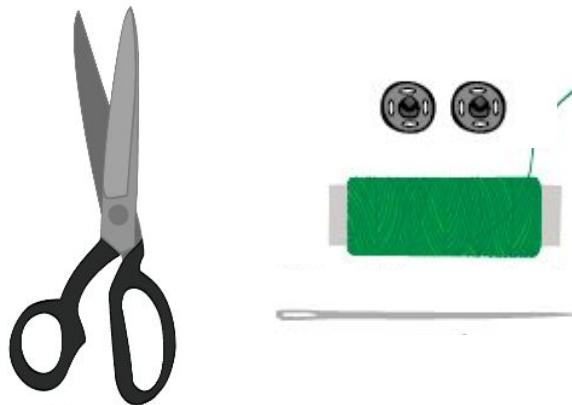
MATERIALS



Battery & Battery Holder



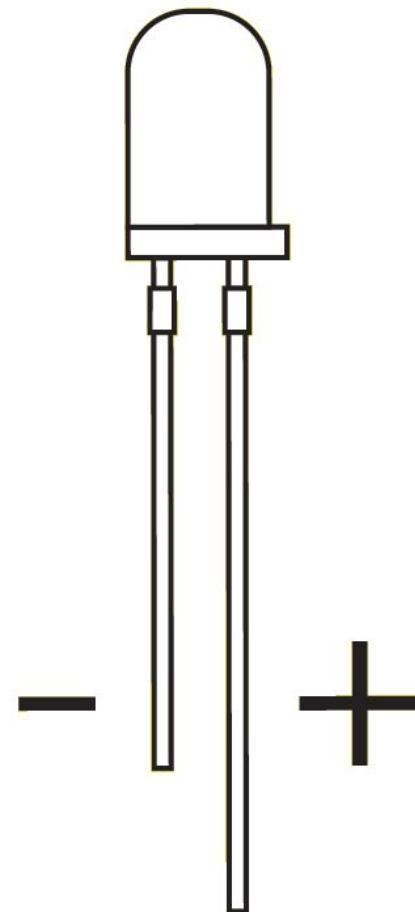
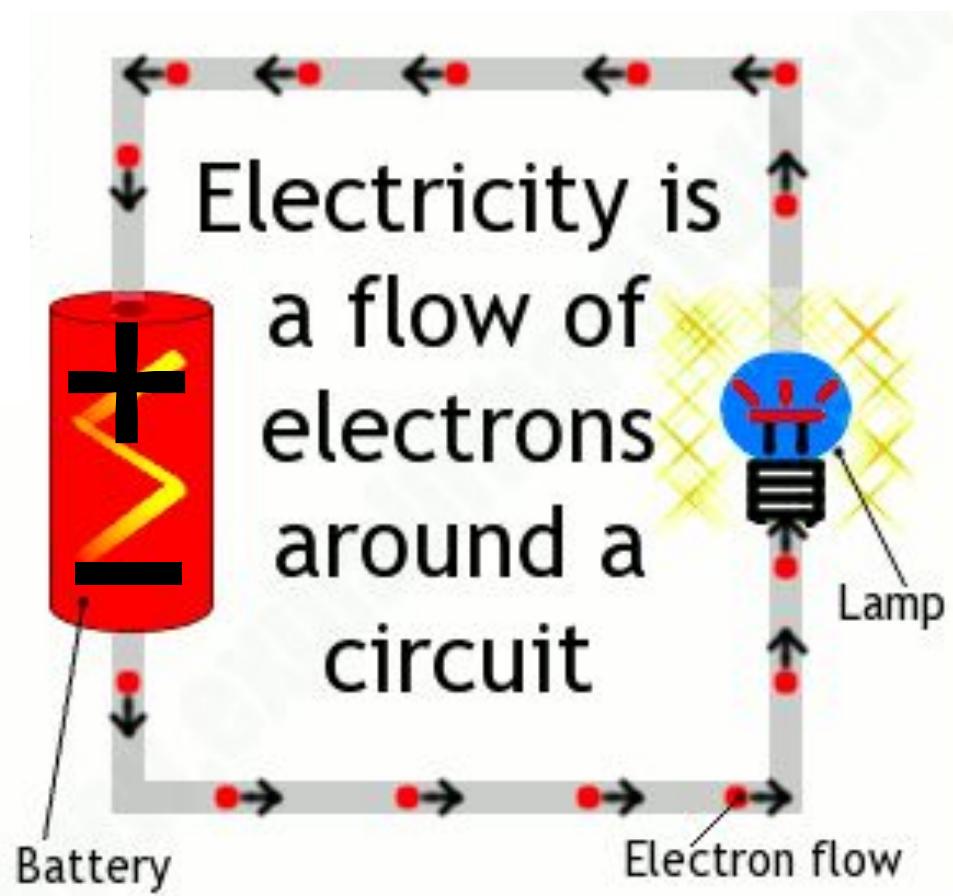
LEDs, Conductive Thread & Alligator Clips



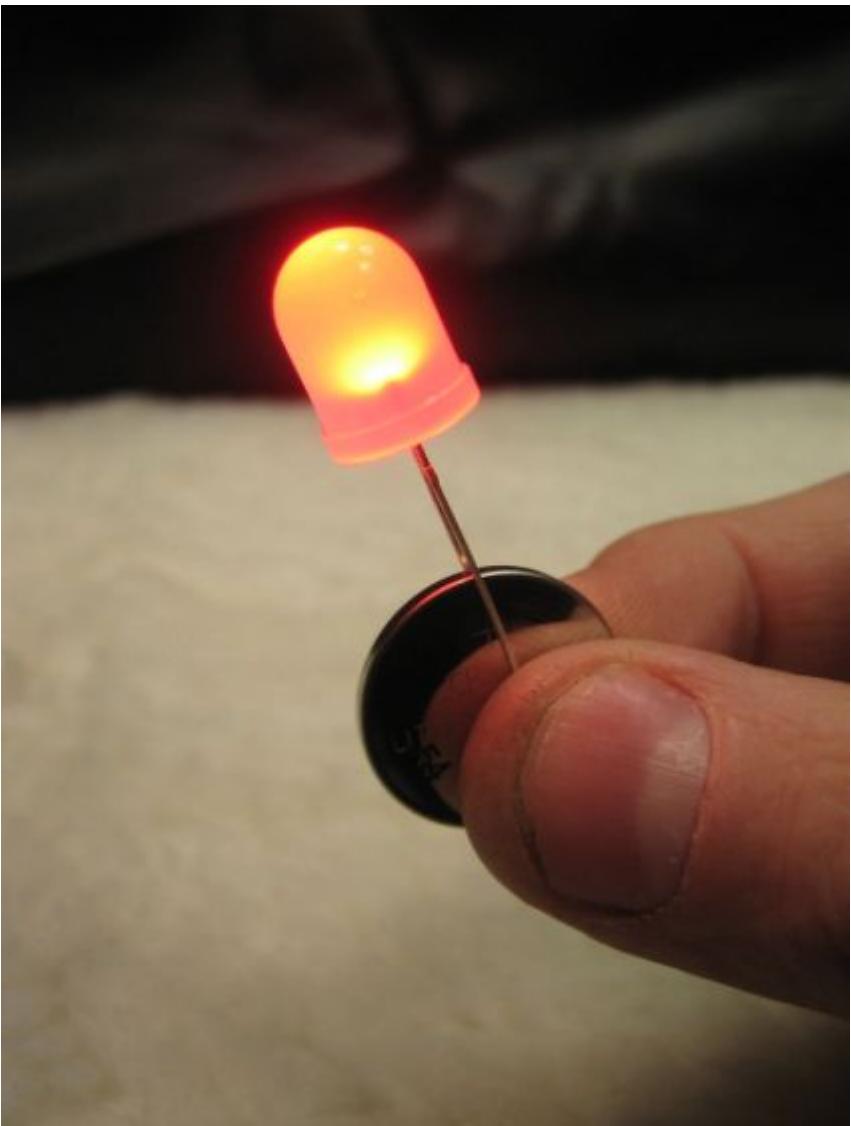
Scissors, Metal Snaps, Needle, Felt



CIRCUITS

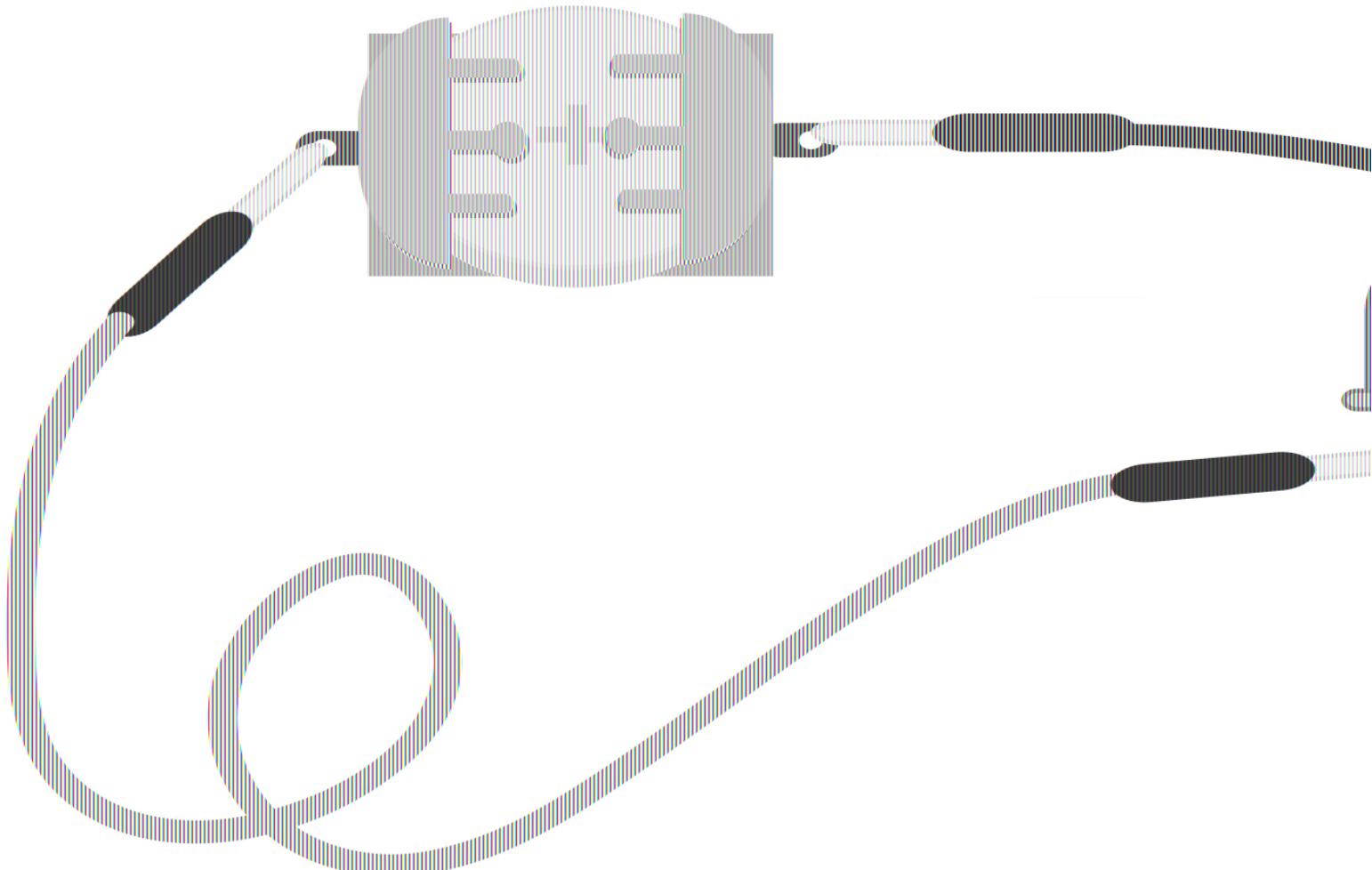


PROTOTYPE

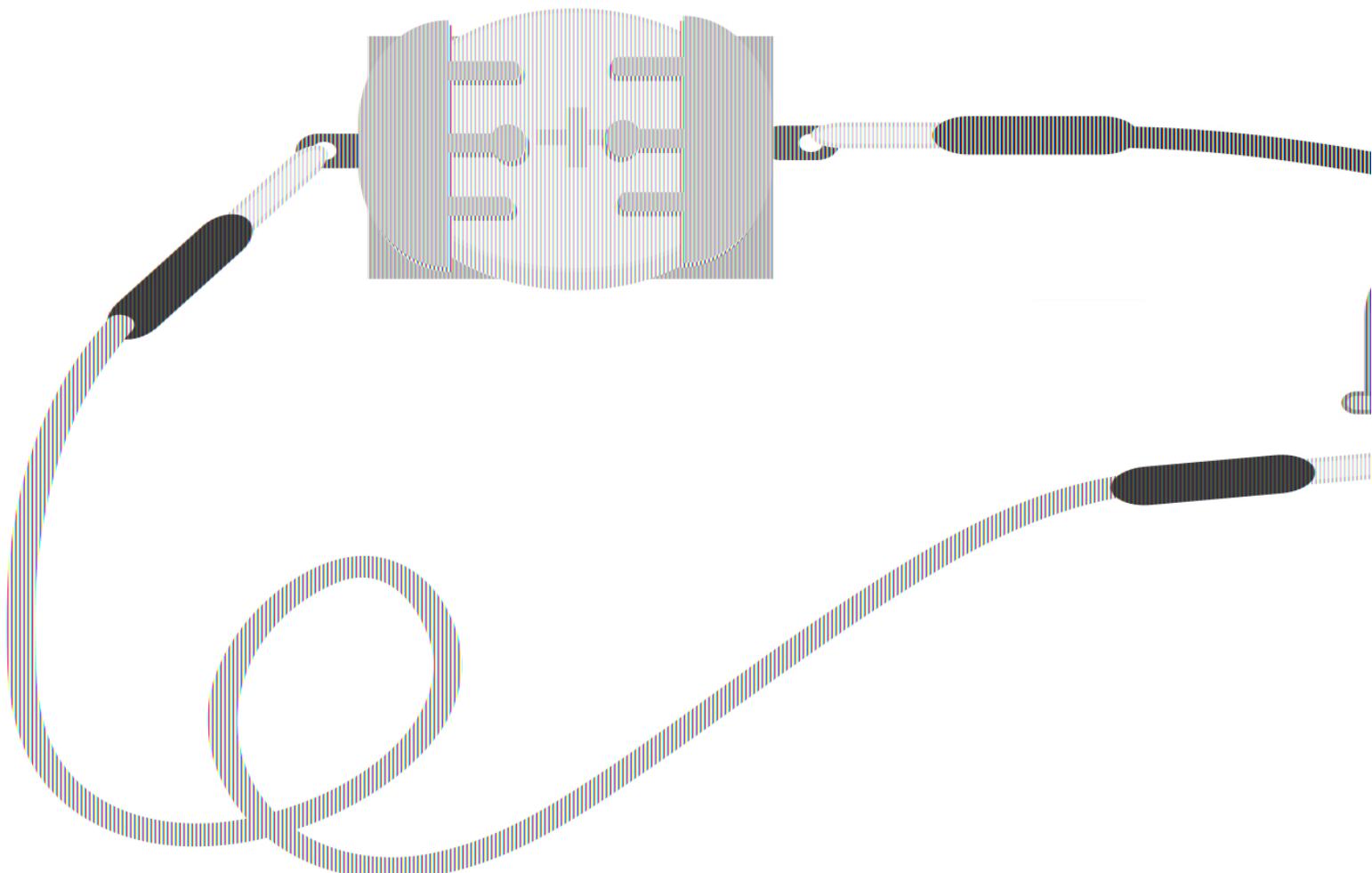


1. Pinch the LED legs to the battery;
2. Flip the battery around;
3. What happens?

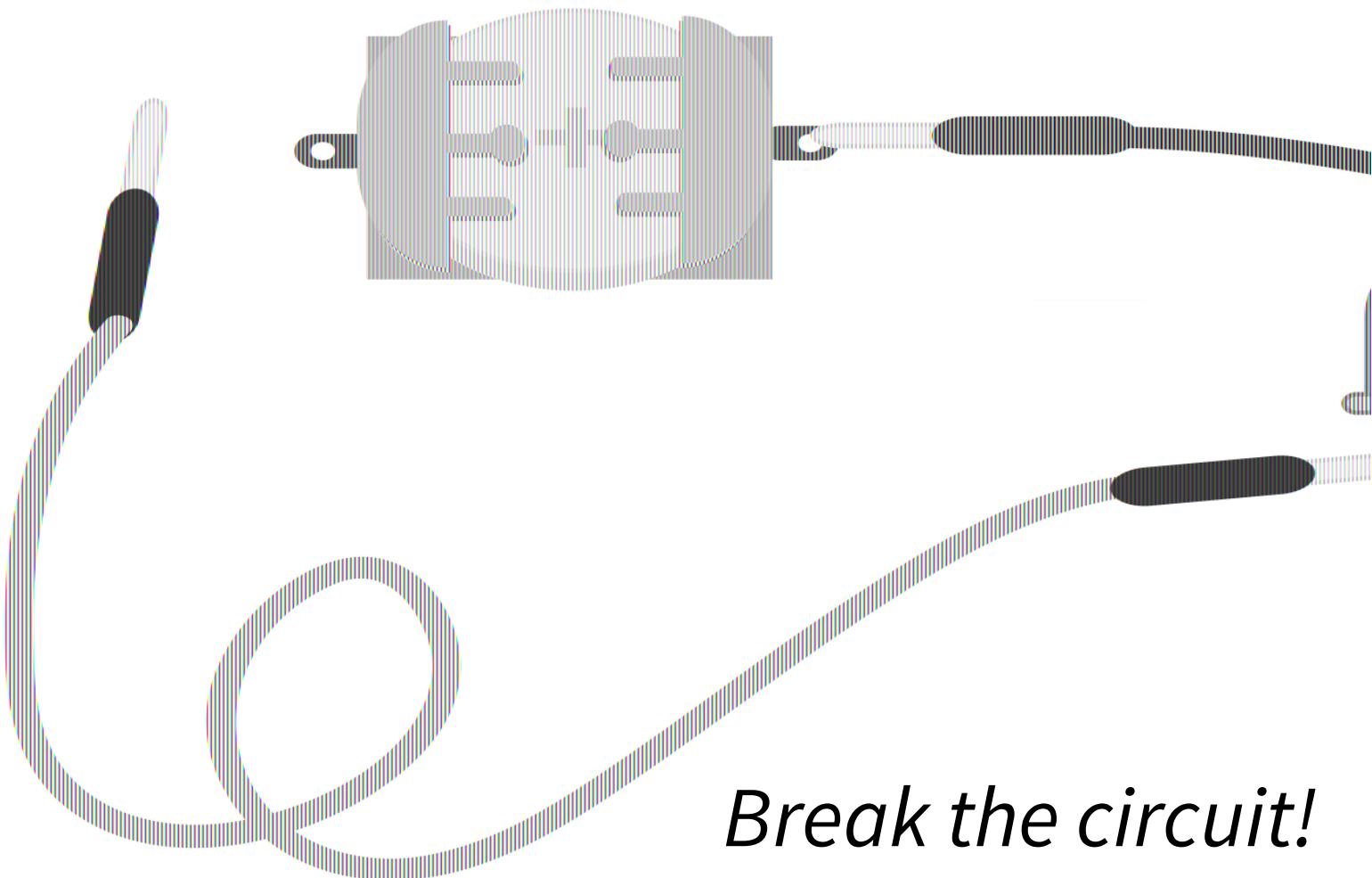
PROTOTYPE



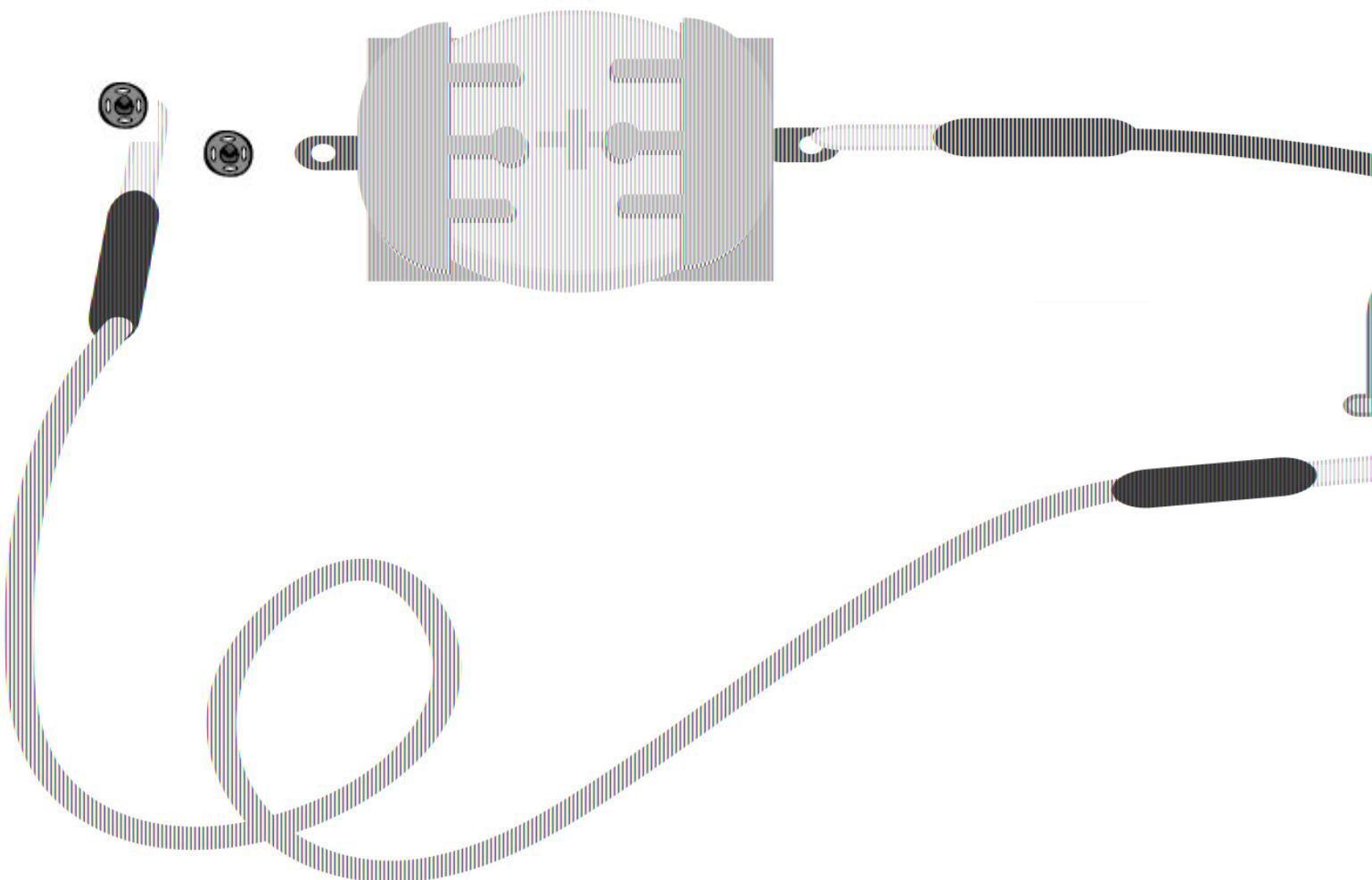
ADD A SWITCH



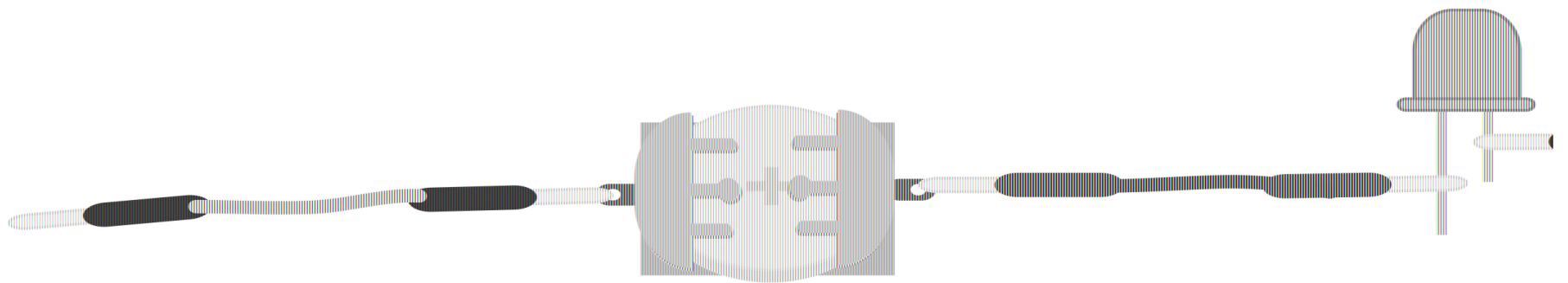
ADD A SWITCH



ADD A SWITCH

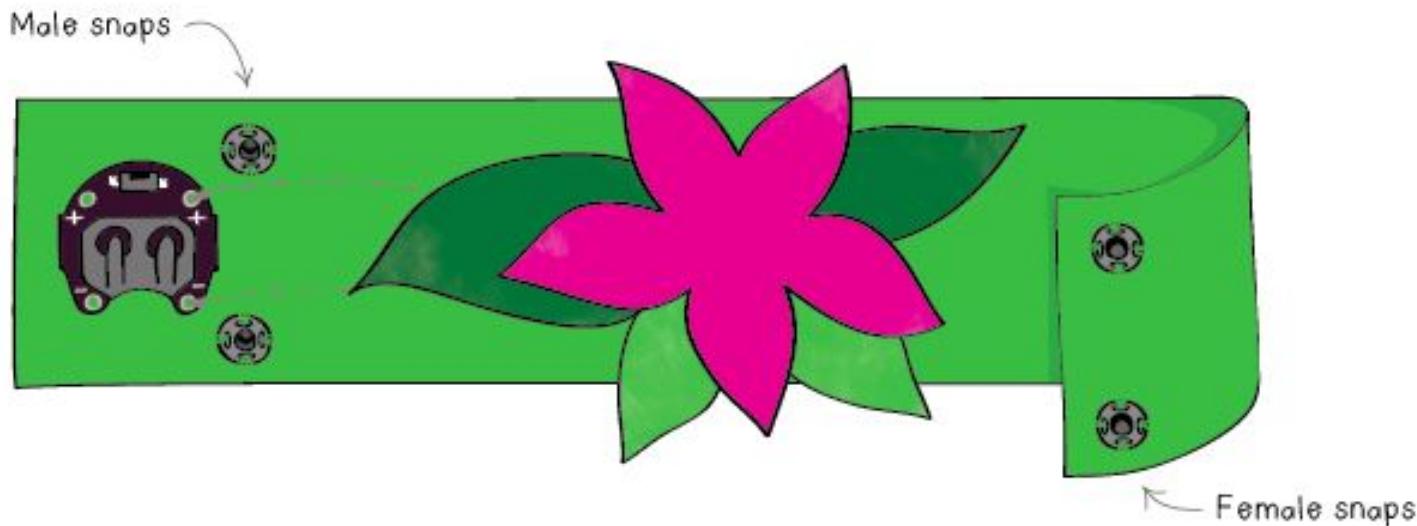


CIRCUIT LAYOUT



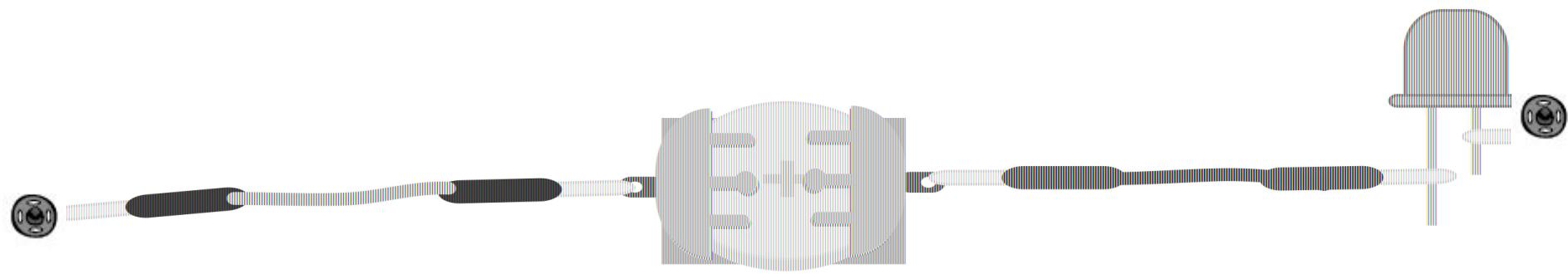
Stretch it out like a wristband.

THE GOAL



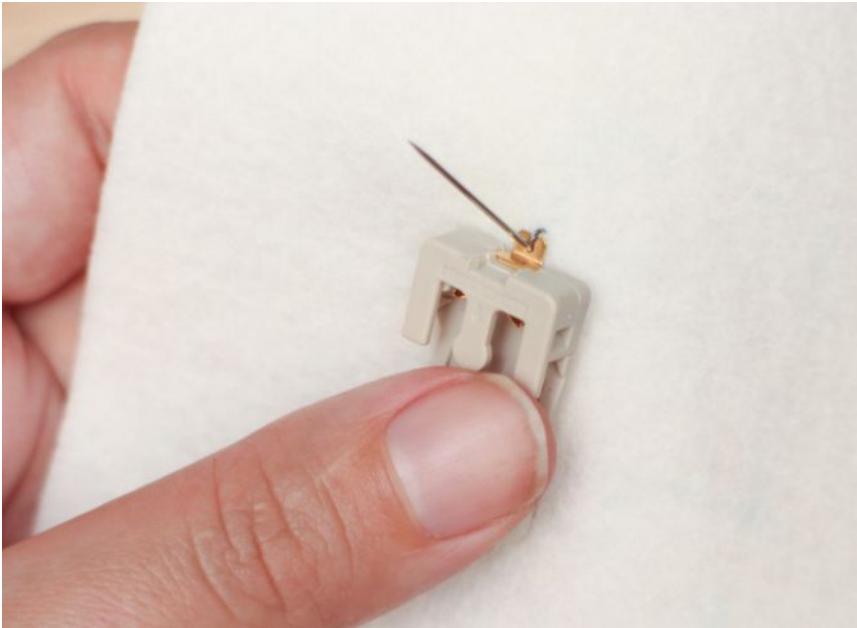
- LEDs turn on when you close the snap on the wristband;
- LEDs turn off when the snap is open.

SEWING



- Cut a piece of fabric to size;
- Lay out the components;
- Plan for embellishments & surface treatments;
- Get creative!

SEWING



Sew around the loops to create a secure connection.



Twist the legs of your components to make sewable loops.

SEWING

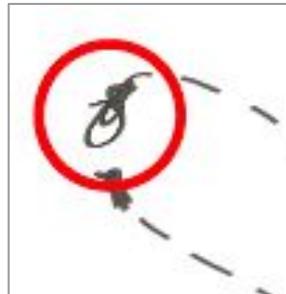


Running stitch to sew between components.

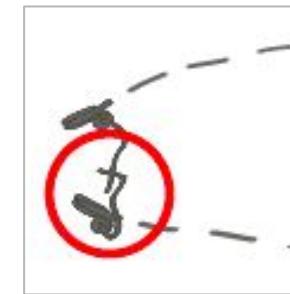
THINGS TO AVOID



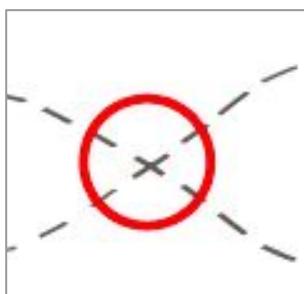
Loose Threads



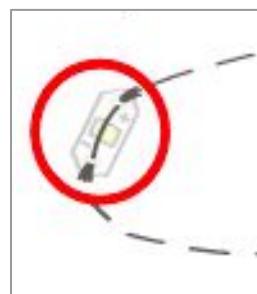
Unravelled
Knots



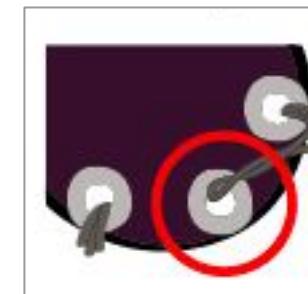
Knot Tails
Touching



Overlapping
Stitches



Stitching Across
Components



Thread Touching Other
Connections

MATERIALS

And lots more!

Experiment and get creative.

